Digestive System

How does it relate to three other body systems?

1. The Circulatory System. The digestive system works in conjunction with the circulatory system because without a steady blood supply, the digestive system would have no function. The whole purpose of the digestive system is to provide nutrition to the bloodstream. If there were no blood vessels along the small intestine and liver, there would be nothing for the digestive system to nourish.

2. The Integumenary System. The skin holds the digestive system in place. The stomach, liver, and intestines all are held in place by the epidermis. Without the skin, the digestive organs would fall out of place.

3. Muscular System. The muscular system helps the digestive system. The muscles in the jaw chew up food so it can be broken down easier. The esophagus moves food through a muscular contraction. There are sphincter muscles all throughout the digestive system, including the anus, which controls the release of waste. Without the muscular system, the digestive system wouldn’t be able to function properly.